

Attorney's Docket No. 34848/241851

PATENT

UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Kozlowski et al.
Appl. No.: 10/024,357
Filed: December 18, 2001
For: SYNTHESIS OF HIGH MOLECULAR WEIGHT
NON-PEPTIDIC POLYMER DERIVATIVES

Confirmation No: 6554
Group Art Unit: 1645

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Commissioner for Patents
Washington, DC 20231

**INFORMATION DISCLOSURE STATEMENT
CITATION UNDER 37 C.F.R. § 1.97**

Sir:

Attached is a list of documents on form PTO-1449 together with a copy of each identified document. It is requested that the Examiner consider these documents and officially make them of record in accordance with the provisions of 37 C.F.R. § 1.97 and Section 609 of the MPEP. By submitting the listed documents, Applicant in no way makes any admission as to the prior art status of the listed documents, but is instead submitting the listed documents for the sake of full disclosure.

Respectfully submitted,

Paul F. Pedigo
Registration No. 31,650

Customer No. 00826
ALSTON & BIRD LLP
Bank of America Plaza
101 South Tryon Street, Suite 4000
Charlotte, NC 28280-4000
Tel Charlotte Office (704) 444-1000
Fax Charlotte Office (704) 444-1111

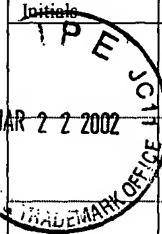
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Grace R. Rippey

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Substitute for form 1449B/PTO (Revised 10/2001)		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/024,357
		Filing Date	December 18, 2001
		First Named Inventor	Kozlowski et al.
		Group Art Unit	1645
		Examiner Name	
Sheet 2 of 3	Attorney Docket Number	34848/241851	
OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
	11	Okamoto et al., "Kinetic Study on Reactions Between Polymer Chain-Ends -- II. Reactions Between Chlorosulphonyl-Ended and Primary Amino-Ended Polyoxyethylenes Followed by Fluorometry", <u>Eur. Polym. J.</u> , vol. 19, No. 4, pp. 341-346 (1983)	
	12	Greenwald et al., "Highly Water Soluble Taxol Derivatives: 7-Polyethylene Glycol Carbamates and Carbonates," <u>J. Org. Chem.</u> , 60, pp. 331-336 (1995)	
	13	Buckman et al., "Functionalization of Poly(ethylene glycol) and Monomethoxy-Poly(ethylene glycol)," <u>Makromol. Chem.</u> , 182, pp. 1379-1384 (1981)	
	14	Zalipsky et al., "Attachment of Drugs to Polyethylene Glycols," <u>Eur. Polym. J.</u> , Vol. 19, No. 12, pp. 1177-1183 (1983)	
	15	Andresz et al., <u>Makromol. Chem.</u> , 179, pp. 301-312 (1978)	
	16	Olson et al., "Preparation and Characterization of Poly(ethylene glycol)ylated Human Growth Hormone Antagonist," <u>Chemistry & Biological Applications</u> , pp. 170-181 (1997)	
	17	Abuchowski et al., "Cancer Therapy with Chemically Modified Enzymes. I. Antitumor Properties of Polyethylene Glycol-Asparaginase Conjugates," <u>Cancer Biochem. Biophys.</u> , Vol. 7, pp. 175-186 (1984)	
	18	Joppich et al., "Synthesis of Glycyl-L-tryptophylglycine Substituted by Poly(ethylene oxide) at both the Carboxy and the Amino End Groups," <u>Makromol. Chem.</u> , 180, pp. 1381-1384 (1979)	
	19	Pitha et al., "Detergents Linked to Polysaccharides: Preparation and Effects on Membranes and Cells," <u>Eur. J. Biochem.</u> , 94, pp. 11-18 (1979)	
	20	Elling et al., "Immunoaffinity Partitioning: Synthesis and Use of Polyethylene Glycol-Oxirane for Coupling to Bovine Serum Albumin and Monoclonal Antibodies," <u>Biotechnology and Applied Biochemistry</u> , 13, pp. 354-362 (1991)	
	21	Beauchamp et al., "A New Procedure for Synthesis of Polyethylene Glycol-Protein Adducts; Effects on Function, Receptor Recognition, and Clearance of Superoxide Dismutase, Lactoferrin, and α_2 -Macroglobulin," <u>Analytical Biochemistry</u> , 131, pp. 25-33 (1983)	
	22	Tondelli et al., "Poly(Ethylene Glycol) Imidazolyl Formates as Oligomeric Drug-Binding Matrices," <u>Journal of Controlled Release</u> , 1, pp. 251-257 (1985)	

Examiner Signature	Date Considered
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 3 of 3

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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
	23	Veronese et al., "Activation of Monomethoxy-Polyethylene Glycols by Phenylchloroformates and Modification of Ribonuclease and Superoxide Dismutase," <u>Applied Biochemistry and Biotechnology</u> , Vol. 11, pp. 141-152 (1985)	
	24	Sartore et al., "Enzyme Modification by MPEG with an Amino Acid or Peptide as Spacer Arms," <u>Applied Biochemistry and Biotechnology</u> , Vol. 27, pp. 45-54 (1991)	
	25	Harris et al., "Synthesis and Characterization of Poly(ethylene glycol) Derivatives," <u>J. Polym. Sci. Chem. Ed.</u> , Vol. 22, pp. 341-352 (1984)	
	26	Goodson et al., "Site-Directed PEGylation of Recombinant Interleukin-2 at its Glycosylation Site," <u>BioTechnology</u> , Vol. 8, No. 4, pp. 343-346, (1990)	
	27	Romani et al., "Synthesis of Unsymmetrical Cystine Peptides: Directed Disulfide Pairing with the Sulfenohydrazide Method," <u>Chemistry of Peptides and Proteins</u> , Vol. 2, pp. 29-34 (1984)	
	28	Kogan, "The Synthesis of Substituted Methoxy-Poly(ethylene glycol) Derivatives Suitable for Selective Protein Modification," <u>Synthetic Communications</u> , 22(16), pp. 2417-2424 (1992)	
	29	Woghiren et al., "Protected Thiol-Polyethylene Glycol: A New Activated Polymer for Reversible Protein Modification," <u>Bioconjugate Chem.</u> , 4, pp. 314-318 (1993)	
	30	Sawhney et al., "Bioerodible Hydrogels Based on Photopolymerized Poly(ethylene glycol)-co-poly(α -hydroxy acid) Diacrylate Macromers," <u>Macromolecules</u> , 26, pp. 581-587 (1993)	

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